

ISOTEK - STOP

MATERIAL

Light grey colored melamine resin BASF Basotect® t Foam. High thermal resistance product: -60°C $+150^{\circ}\text{C}$. Non drip in case of fire, non toxic fumes, non fiber-forming. Isotek-Stop has an excellent acoustic absorption, particularly at medium-high frequencies ($500 \div 2000$ Hz). Isotek-Stop may be assembled together with sound-insulating barriers such as lead, EPDM, etc. Upon request, it can be painted in all the RAL range colors.

DIMENSIONS

SHEET SIZES

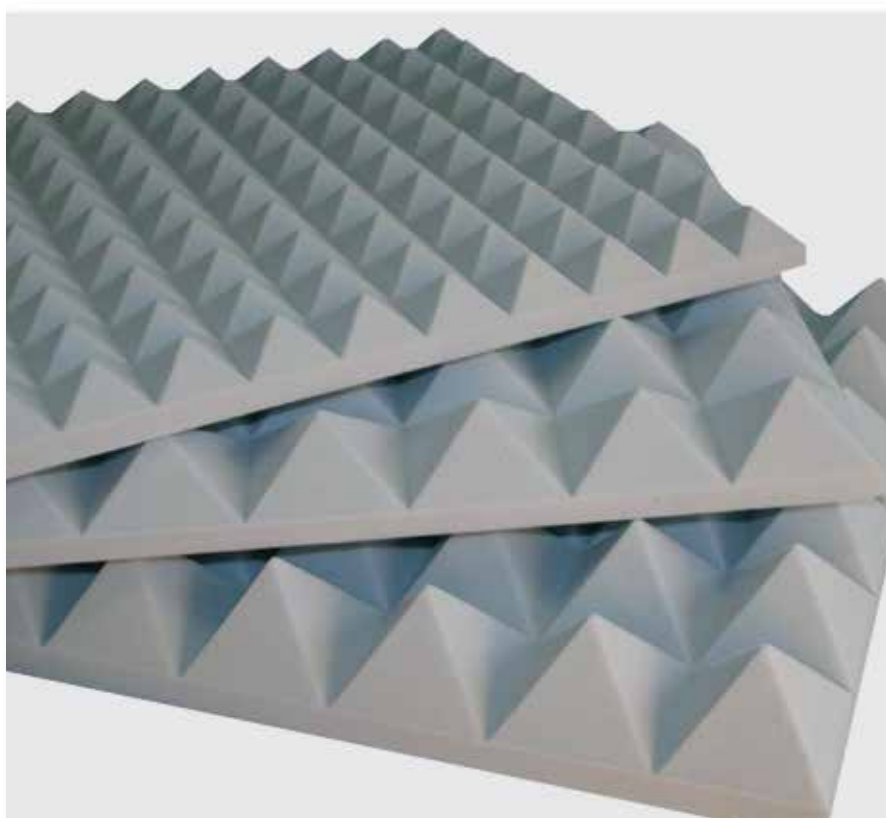
Width: 600 o 1200 mm

Length: 1200 mm

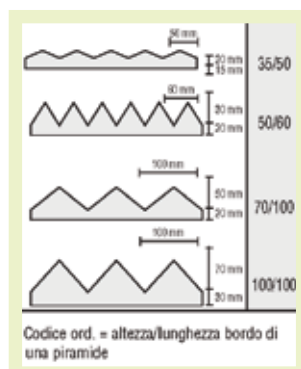
Thickness: 35 - 50 - 70 -100 mm, etc.

Any other size may be supplied on request.

BASOTECT® (BASF) PYRAMID MELAMINE RESIN FOAM ACOUSTICAL PANEL

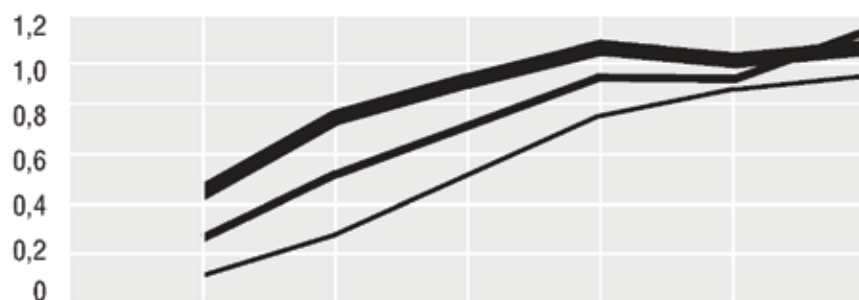


STANDARD FORMATS



Grado di assorbimento acustico (α_s)

Fattore di assorbimento acustico α_s



Acoustic absorption factors determined to DIN 52212 standard in a large reverberation chamber

PHYSICAL PROPERTIES

- **Volume mass:** kg/m³ EN ISO 845 8 - 11
- **Compression resistance at 10% deflection:** kPa DIN 53421 5 - 20
- **Indentation:** N BASF method > 45
- **Maximum tensile stress:** kPa DIN 53571 > 120
- **Elongation at break:** % DIN 53571 > 10
- **40% deformation resistance and compression:** kPa DIN 53577 7 - 20
- **Thermal conductivity at 10°C :** W/mK DIN 52612 < 0.035
- **Compression set**
 - 50% - 23°C - 72^h % DIN 53572 10 - 30
 - 50% - 70°C - 22^h 10 - 20
- **Steam diffusion resistance factor (μ):** - DIN 52615 -2
- **Acoustic absorption S=50 mm/2000 Hz:** % DIN 52215 > 90
- **Flux specific resistance:** kNs/m⁴ DIN 52213 10 - 20
- **Utilisation temperature:** °C - max 150°
- **Cyclic continuous solicitation tolerability:** method OK
- **Reaction to fire:** Euroclass C-s1,d0 to UNI EN 13501-1. Class 1 to CSE RF 2/75/A - CSE RF 3/77.

REACTION TO FIRE

Euroclass C-s1,d0 to UNI EN 13501-1.

Class 1 to CSE RF 2/75/A - CSE RF 3/77.

FIELDS OF APPLICATION

Isotek-Stop is a specifically sound-absorbing product with a special pyramidal profile which triples the absorbing surface. Its technical characteristics allow it to be used where special safety features are required, such as theatres, cinemas, auditoriums, hotels, lecture rooms, firing ranges, gymnasia, schools, discotheques.

INSTALLATION

Isotek-Stop's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using NDA VILL glue.